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Limnos



C S S L I M N O S

is designed for research in limnology — the scientific study of lakes and other freshwater bodies. One of her major assignments is to investigate water pollution in the Great Lakes.

Laboratories aboard the *Limnos* can be used for physical, chemical, bacteriological and other biological studies. Two telescopic hydraulic cranes will raise or lower scientific instruments and other equipment over the side.

Two portable laboratories may be installed on the main deck to supplement the work of the ship's

permanent laboratories. Alternatively, she may carry four 26-foot sounding launches for hydrographic surveying.

Designed for year-round operation, the *Limnos* can work in thin ice. She has an all-welded steel hull 147 feet long, a beam of 32 feet and a draft of eight feet. Her displacement is about 609 tons.

Two 500-bhp diesel engines and twin right-angle-drive propellers will give a top speed of 11 knots. Her cruising speed is about 10 knots. The vessel is steered by turning the propeller assemblies, thus eliminating the need for a rudder.



The ship's complement is 27, including 11 scientists and technicians, six officers and a crew of 10. The air-conditioned vessel will carry supplies for two weeks afloat.

The *Limnos* was designed by the Marine Sciences Branch of the Department of Energy, Mines and Resources, along with the Montreal firm of German and Milne, naval architects. She was built by Port Weller Dry Docks Limited of St. Catharines, Ontario.

The *Limnos* is the first vessel in the department's Marine Sciences fleet built especially for lake re-

search. Her home base is the Canada Centre for Inland Waters at Pier 29, Burlington, Ontario, operated by the department's Great Lakes Division.

Besides pollution research and surveillance, the *Limnos'* program includes other lake studies. These are concerned with such things as lake-bottom geology, geophysics, lake sediments, air-water interaction, temperatures, currents and other physical and chemical characteristics of the lakes.



CANADA

DEPARTMENT OF ENERGY,
MINES AND RESOURCES

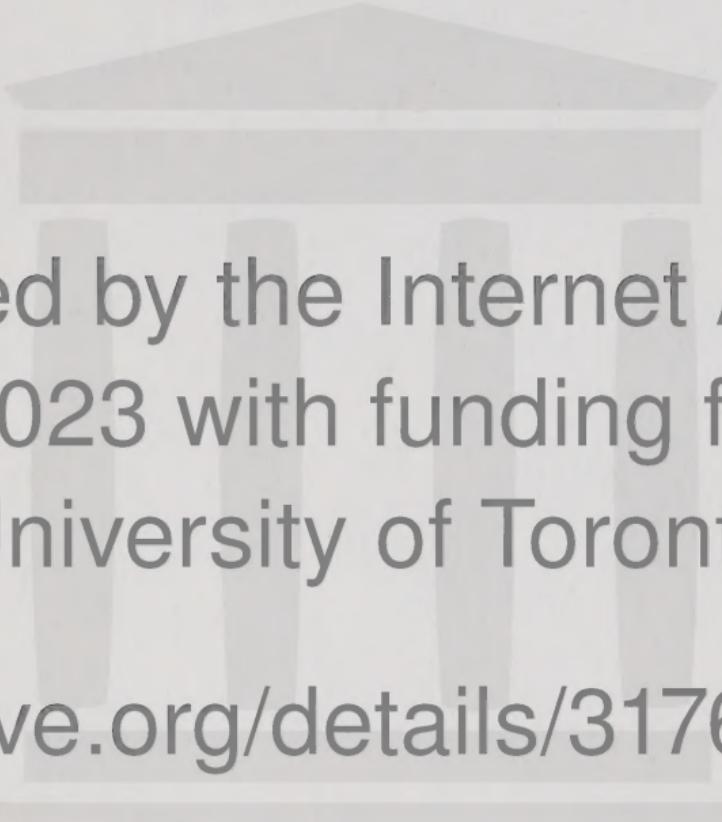
Jean-Luc Pepin, Minister

C. M. Isbister, Deputy Minister



ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1968

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